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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Gardner Bros. Drilling Co. Inc.		Address 1718 Davis Building Dallas, Texas	
Lease Balknap Santa Fe	Well No. 1-13	Unit Letter ---	Section 13
Township 19N		Range 6W	
Date Work Performed Feb. 12, 1961	Pool Undesignated	County McKinley	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☐ Casing Test and Cement Job
 ☒ Other (Explain):
☐ Plugging
 ☒ Remedial Work
 Setting Baker Cast Iron Plug
Setting Baker Retrievable Plug

Detailed account of work done, nature and quantity of materials used, and results obtained.

Pulled 2900 feet 5/8" rods, insert pump and 3020 feet 2 3/8" tubing from hole. Swabbed with casing swab thru 4 1/2" casing, and recovered 2737 feet of fluid from hole. (2212 feet of oil and 520 feet of water). Ran sand pump and cleaned a quart of frac sand with trace of shale from bottom plug at 3257.

Ran Gamma Ray correlation log and perforated with two 1/2" bullets per foot in the following Mancos and Hospah-Gallup zones. 2957-2967; 3010-28; 3138-48. These zones were swabbed and oil, gas and water were recovered. Sand pump recovered much frac sand which came from previous perforations.

Then zone 1920-40 was perforated as the other zones and swabbed independently yielding some oil and gas initially.

All perforations were swabbed both with casing swab and then tubing was run and a Baker retrievable packer was set at 2440. Both types of swabbing recovered around 85 barrels of oil to tank. This 2440 packer was pulled with the tubing.

A Baker Cast Iron packer was set at 2990 and a Baker retrievable-packer was set at 2888. The water was shut off from below and above. 2974 feet of 2 3/8" tubing,

2962 feet of 5/8" rods, an insert pump, one 2000 feet casing, and four foot sub were run, bottoming at 2980. The pump, pack, and rods were installed and a flow line connected to tanks. This installation was made February 12, 1961.

D F Elev. 6780	P BTD 3138	Producing Interval 2907-45 2957-67	Completion Date Feb. 12, 1961
Tubing Diameter 2 3/8"	Tubing Depth 2974	Oil String Diameter 2 3/8"	Oil String Depth 2990
Perforated Interval(s) 1920-40; 2907-45; 2957-67; 3010-28; 3138-48			
Open Hole Interval 1920-40		Producing Formation(s) Mancos Shale	
RESULTS OF WORKOVER			
Test	Date of Test	Oil Production BPD	Gas Production MCFPD
Before Workover			
After Workover			
OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by		Name John K. Petty, Consulting Geologist	
Title		Position Representing Gardner Bros. Drilling Co. Inc.	
Date		Company 1718 Davis Building Dallas, Texas	

